

5

CLAIMS

1. A combination of a fixable socket and a plug revolvable therein for conducting electric power and for mechanically supporting in a desired orientation an appliance receiving said power, said combination comprising:

10 a) a socket rigidly attachable to a wall or ceiling, said socket comprising a non-conductive body including at least two spaced-apart hollow arcuate conducting receptacles insulated from each other and having a common center of curvature and being connectable to an electric power supply, said socket rigidly supporting a first structural element of a mechanical connection located at
15 said radius of curvature;

b) a plug also comprising a non-conductive body, rigidly attachable to, and configured to mechanically support an appliance from a first face, said plug supporting from a second face at least two projecting conducting prong elements insulated from each other and engagable with said at least two arcuate
20 receptacles respectively and connectable to conductors for feeding electric power to said appliance, said plug also including a second structural element engagable to said first structural element of said mechanical connection and allowing said plug to revolve at least part of a revolution about said center of curvature;

5 and

c) releasable latching means attached to said combination, providing when engaged a retention force between said socket and said plug to prevent disengagement and to support said appliance.

2. The socket and plug combination as claimed in claim 1, wherein said
10 first structural element comprises an aperture and said second structural element comprises a post-like male member engagable with said aperture.
3. The socket and plug combination as claimed in claim 2, wherein said releasable latching means is a captive ball detent.
- 15 4. The socket and plug combination as claimed in claim 2, wherein both parts of said mechanical connection are conductive and are arranged to be wired for use as an earth connection.
5. The socket and plug combination as claimed in claim 1, wherein said latching means engages said first structural element with sufficient
20 retention force to support a two kg appliance in a ceiling socket during an earthquake of a severity not causing structural damage to the building in which said combination is installed.
6. The socket and plug combination as claimed in claim 1, wherein said appliance is an electric light fitting.